



Propane Emergency Response Plan/Guide for New England



Sponsored by:

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CHEMTREC
1300 Wilson Blvd.
Arlington, VA 22209
1-800-424-9300
(Emergencies Only)

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PREFACE

The Propane Gas Association of New England Emergency Response Plan / Guide and Class Room Training Program have been developed and implemented to deal with incidents involving propane (a hazardous material). In particular, the problems which occur when propane is accidentally released, either through human error, transportation accident, process up-set, fire, or explosion.

Emergency Response Planning (Contingency planning), otherwise known as pre-planning, may very well be the most important part of a smooth and efficient hazardous materials response effort. An emergency response plan / guide is required for propane incidents due to its potential for loss of life and property damage. A good sound pre-plan / guide is the cornerstone upon which a response operation can be built. The plan must be flexible yet firm. It must allow the person in charge the freedom to tailor the response effort to fit the event, without being so rigid that it might lull the responder into a sense of false security caused by a set of rules which are carved in stone. The plan / guide can be as simple as a list of telephone numbers to be called in the event of an emergency to a detailed plan of action which includes the use of a complex information network and the implementation of specialized equipment and procedures. Whatever the case may be, emergency response (contingency) plans are necessary.

It is the purpose of the PGANE classroom training and the Emergency Response Plan / Guide to set forth general guidelines and practices to lend assistance as a Private Sector Specialist Employee "A" as defined by pamphlet NFPA 472. This assistance is given at the request of any federal, state or local emergency response group(s), fire service, haz-mat agency or police, etc. This Plan / Guide is not intended to be an exhaustive treatment of the subject and should not be interpreted as precluding any other plans or procedures which could be used to mitigate an incident and prevent any unnecessary loss of life or property damage. The Propane Gas Association of New England and the Emergency Response Committee offer the plan / guide and the information contained within in good faith and assume no liability for the reliance on the Plan / Guide or its contents.

This material has been developed by the Emergency Response Committee of the Propane Gas Association of New England. While these procedures were designed to assist federal, state and local emergency response groups, neither the Propane Gas Association of New England, its members, nor those participating in its activities accepts any liability resulting from compliance or noncompliance of the material herein, for any restrictions imposed, or from completeness of the text.

The Propane Gas Association of New England has no power or authority to police or enforce compliance with the contents of this document.

EMERGENCY RESPONSE PLAN / GUIDE FOR NEW ENGLAND

COMMUNITY EMERGENCY SERVICES

Fire Services
Law Enforcement
Emergency Medical Services
LEPC (local Emergency Planning Committee)

INDUSTRY SERVICES

Propane Gas Association of New England
Propane Companies
Propane Transporters

PROPANE EMERGENCY READINESS

Knowledge
Training
Planning

EDUCATIONAL GOAL

To provide emergency response training to industry personnel that can assist community emergency services with information for preventing, controlling, and terminating accidents involving propane (LPG).

OVERALL OBJECTIVES

To Provide Emergency Service Groups with:

A full understanding of propane as a hazardous material.

A general understanding of the propane bulk plant and transportation operations, equipment and personnel.

An understanding of basic emergency procedures in the event of an propane incident.

The basic information for propane emergency contingency planning in their communities.

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PURPOSE

This propane (liquified petroleum gas) Emergency Response Plan / Guide is designed to provide assistance for a quick and effective response to a propane incident.

The objectives of the Plan / Guide are to provide:

1. Initial information on the properties, characteristics and emergency procedures to be followed at the scene and in the mitigation of the incident.
2. Technical advice and expertise to local authorities at the scene of a propane accident or incident.
3. A means of contacting industry personnel trained in the safe handling of a propane emergency and in the equipment involved, storage tank, tank truck or rail car, etc.
4. Emergency assistance, as requested, at the scene of a propane incident thru the Emergency Response Centers listed as part of this plan / guide, Ref. Appendix "C".

The plan / guide serves as the Emergency Response Plan/ Guide for New England as referenced in the NPGA Agreement and has been developed by the Emergency Response Committee of the Propane Gas Association of New England.

ORGANIZATION

The organization of this plan / guide incorporates the use of the Chemical Transportation Emergency Center "CHEMTREC", Washington, DC and a zone Response Network. CHEMTREC operates their emergency telephone number twenty four (24) hours a day. The network will consist of various companies, participating in the plan, which will provide trained personnel, equipment and expertise for the prompt and effective response to a propane emergency or incident. These personnel will attend the PGANE Emergency Response Training Course and be trained to the NFPA 472 Private Sector Specialist Employee A criteria or equivalent. Personnel responding to an incident will assist police, fire and other emergency groups in the safe mitigation of the incident.

The PGANE Emergency Response Committee has developed the Plan and the required classroom-training program. PGANE will administer and distribute the Plan, as well as subsequent revisions and changes. Copies of the Plan / Guide will be distributed to all PGANE members and will be on file with CHEMTREC and at each Emergency Response Center. It will be distributed to state Hazardous Materials Response Agencies and is available at:

[http://propane.net/uploadedFiles/State/PGANE/Safety_and_Training/EMERGENCY%20RESPONSE%20PLAN\(1\).pdf](http://propane.net/uploadedFiles/State/PGANE/Safety_and_Training/EMERGENCY%20RESPONSE%20PLAN(1).pdf)

CHEMTREC

CHEMTREC stands for Chemical Transportation Emergency Center. CHEMTREC operates around the clock (24 hours a day), seven days a week to receive emergency calls. CHEMTREC'S emergency telephone number is 1-800-424-9300.

CHEMTREC promptly contacts the shipper of the hazardous materials involved for information, assistance and an appropriate response. After the initial contact and a request for assistance is made, the appropriate mutual aid plan is activated. CHEMTREC provides immediate advice by telephone, computer link-up and facsimile to the on-scene commander at a chemical emergency.

For the purposes of this plan / guide, CHEMTREC will give to the calling authority the company, telephone number and individual name of the appropriate Emergency Response Center.

CHEMTREC can provide hazard information warnings and guidance when given the IDENTIFICATION NUMBER or the NAME OF THE PRODUCT and the NATURE OF THE PROBLEM. For more detailed information and/or assistance, attempt to provide as much of the following information as possible:

What happened - When - Where	Chemicals involved
Name of caller and call back number	Container type
Nature and location of problem	Truck or rail car number
Guide number you are using	Carrier name
Shipper or manufacturer	Consignee
Location weather conditions	Injuries

Incidents involving hazardous materials frequently occur at inconvenient locations which make telephone communications difficult. Keep a phone line connected to CHEMTREC. The CHEMTREC communications facility is continuously manned and can provide a teleconferencing bridge which allows them to connect experts to your phone line.

ZONE RESPONSE NETWORK

The plan / guide divides the New England area, by states, into a network of "Zones". Each zone has a designated Emergency Response Center Location. Each Response Center has a twenty four (24) hour telephone number to receive information concerning an incident and the capability of contacting qualified and trained personnel to respond, with specialized equipment, to an propane emergency.

ZONE RESPONSE

The Plan / Guide may be initiated by the first response agency(s), Fire, Police, Haz-Mat, etc., to an LPG emergency by contacting CHEMTREC. CHEMTREC will give emergency information and the name, telephone number and location for the appropriate Zone Emergency Response Center. Emergency Response Agencies may reach a Zone Emergency Response Center directly; however, they should be advised to make the initial contact with CHEMTREC.

CHEMTREC or an Emergency Response Agency can determine the proper Response Center to contact by referencing Appendix "C".

Emergency service and recovery company information, for wrecker, crane, air cushion, etc. services is listed, by states, in Appendix "D".

COMMUNICATIONS

Prompt and efficient communications are essential for the mitigation of any emergency incident. It is of the utmost importance that Response Center personnel receive and disseminate accurate information in a clear and concise manner. They should get as much pertinent information as possible and a call back number. All information received should be entered on the Emergency Response Center Questionnaire.

ACTION TO BE TAKEN

Since CHEMTREC operates on a twenty-four hour, seven day a week basis, they are most able to provide prompt emergency information for a timely and safe resolution to an incident. CHEMTREC has many resources and referral agencies available to it, as well as the ability to generate information quickly from its computer database, for personnel at the scene.

Where special help at the emergency scene appears necessary, CHEMTREC will function as the Emergency Dispatch Center. In such cases, CHEMTREC will determine and contact the appropriate Zone Response Center as described in the Zone Response section. If the Zone first called cannot respond, another Zone will be called. If either Zone requires further assistance or believes another Zone would be more appropriate, another Zone should be called. The Zone that responds to an emergency will notify CHEMTREC of its response.

Upon notification of a propane emergency, the Zone Response Center will notify the designated Zone Representative who, with information from CHEMTREC, the scene commander and the Emergency Response Center Questionnaire, will determine the appropriate level of action to take, i.e. advise on the telephone, respond to the scene, evaluate equipment needed and respond, etc.

The Zone Representative may suggest immediate action to be taken while he mobilizes the necessary team and equipment.

Upon arrival at the scene, the Zone Representative will establish contact with the Incident Commander or Authority-In-Charge and offer his services. After being apprised of the existing conditions and making a first hand tour of the incident scene, he may offer advice that will bring the situation to a safe conclusion.

APPENDIX "A"

EMERGENCY RESPONSE CENTER QUESTIONNAIRE AND LOG

Response Center Representative: _____

Date and time of call: _____

Name of caller: _____

Name of organization you represent: _____

Number from which you are calling: (_____) _____

Call back number: (_____) _____

Has CHEMTREC been notified 1-800-424-9300 Yes () No ()

Type of incident: _____

Equipment involved in incident: _____

Location of incident: Street/Highway: _____

City/Town: _____

Directions to scene from Center location: _____

Nearest exit, intersection, mile marker, etc.: _____

What is the condition of the equipment: _____

Loaded	Yes ()	No ()
Leaking liquid	Yes ()	No ()
Leaking vapor	Yes ()	No ()
On the road or tracks	Yes ()	No ()
Upright	Yes ()	No ()
On its side	Yes ()	No ()
Upside down	Yes ()	No ()
On fire	Yes ()	No ()
Fire impinging on vessel	Yes ()	No ()

What pressure is in the vessel: _____

Vehicle Information:

Name of carrier: _____

Identifying markings on the vessel: _____

License plate, tank or tankcar number: _____

Driver able to give assistance: _____

Any other information that might be helpful: _____

Advice given over telephone: _____

Emergency Response Zone representatives contacted: _____

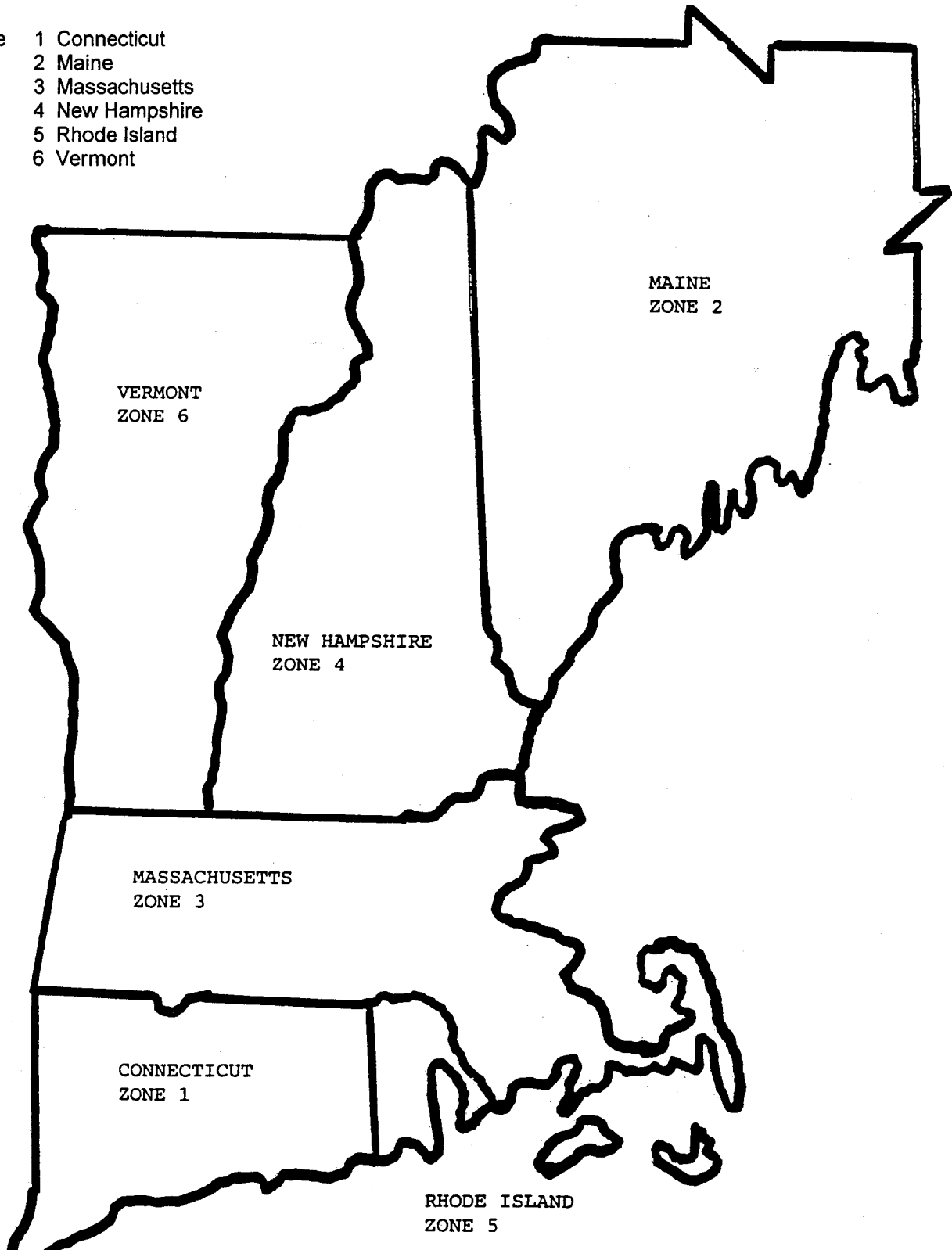
Other Response Centers notified: _____

Name(s) of Zone Representative(s) contacted: _____

NOTIFY CHEMTREC IN THE EVENT OF ANY INCIDENT: 1-800-424-9300

APPENDIX "B"
ZONE LOCATOR MAP

- Zone 1 Connecticut
2 Maine
3 Massachusetts
4 New Hampshire
5 Rhode Island
6 Vermont



APPENDIX "C1"

CONNECTICUT ZONE 1

RESPONSE CENTER LOCATIONS

		TELEPHONE (24hrs.)
COMPANY:	Hocon Gas Inc. Waterbury, CT & Shelton, CT Torrington, CT & Danbury, CT South Norwalk, CT & Guilford, CT	1-203-509-9718 1-860-859-2160 1-860-334-5005 1-203-395-3039
RESPONDEE(S):	Richard O'Neil Bill Cummings David McGuire	
EQUIPMENT AVAILABLE:	Bobtail, Response Van, Service Truck	
<hr/>		
COMPANY:	Suburban Propane So Windsor, CT	1-860-289-0267
RESPONDEE(S):	Ralph Zanelli	
EQUIPMENT AVAILABLE:	Emergency Response Trailer, Service Truck, Bobtail	
<hr/>		
COMPANY:	Leahy's Propane Gas Service Danbury, CT	1-203-748-3535
RESPONDEE(S):	Stephan G. Rosentel Walter Hislop Bill O'Keefe Al Beardsley	
EQUIPMENT AVAILABLE:	Bobtail, Compressor Emergency Response Kit	
<hr/>		
COMPANY:	LP Transportation Chester, NY	1-845-469-2188
RESPONDEE(S):	Daren Havens	
EQUIPMENT AVAILABLE:	MC331 Cargo Tanks ER Trailer, Generator Hoses & Fittings, Compressor	
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COMPANY:

Rural Gas Co.
Trumbull, CT

1-203-261-3641

RESPONDEE(S):

Michael Rowan Jr.

EQUIPMENT AVAILABLE:

Bobtail

EMERGENCY SERVICE COMPANIES
(For Reference Only)

SERVICE COMPANY	SERVICES AVAILABLE			
	WRECKER	CRANE	AIR CUSHION	24 HR.
Hilario's 131 Mt. Pleasant Road Newtown, CT 203-426-1459	X	X	X	X
John's Automotive 85 Mill Plain Road Danbury, CT 203-748-2466	X		X	X
Anthony Hightech Auto Center 541 New Haven Ave Milford, CT 203-874-4335	X	X	X	X
Meyer Rigging Long Beach Boulevard Stratford, CT 800-873-6393		X		

APPENDIX "C2"

MAINE ZONE 2

RESPONSE CENTER LOCATIONS

TELEPHONE (24hrs.)

COMPANY: **AmeriGas Propane** 1-207-786-0671
Lewiston, ME

RESPONDEE(S): Fred Clavet
Dennis Sullivan

EQUIPMENT AVAILABLE: Boom Truck, Burn Rack,
Krug Compressor, Hose & Fittings,
Service Vehicles with Emergency
Response Kits

COMPANY: **Dead River Company** 1-207-862-3106
Hampden, ME 1-207-356-2741

RESPONDEE(S): John Pelletier

EQUIPMENT AVAILABLE: Response Van, Transport
Technical Information, Bobtail

COMPANY: **Eastern Propane Gas, Inc.** 1-800-523-5237

RESPONDEE(S): Lyndon Rickards & Team Members

EQUIPMENT AVAILABLE: Bobtail, Response Trailer,
Boom Truck, Hose, Transport,
Gas Detection (CGI), Fittings,
Flare, Small & Large Compressor

COMPANY: **Irving Energy** 603-738-2100

RESPONDEE(S): Corey Cannning & Team Members

EQUIPMENT AVAILABLE: Response Trailer, Boom Truck
Bobtail, Small Compressor, Fittings,
Flares, Gas Detection Equipment

COMPANY: **P. Gagnon & Son** 1-207-384-2213
South Berwick, ME

RESPONDEE(S): Mark Leach & Team Members

EQUIPMENT AVAILABLE: Bobtail, Compressor
Hose & Fittings, Flare

01/20/2015

**EMERGENCY SERVICE COMPANIES
(For Reference Only)**

SERVICE COMPANY	SERVICES AVAILABLE			
	WRECKER	CRANE	AIR CUSHION	24 HR
Cote Crane & Rigging 211 Broad Street Auburn, ME 207-783-0561 or 800-676-6282		X		
Greeley's Garage 741 Washington Street Auburn, ME 207-782-6461 or 800-339-8694	X		X	
KDT Towing 628 Leighton Rd Augusta, ME 207-623-8831	X		X	
National Wrecker Service Eliot, ME 207-439-1820 York, ME 207-363-0630	X		X	
Rochester Truck 8 Flagg Road Rochester, NH 603-335-2084	X	X	X	X
Stewart's Wrecker 275 Snows Corner Road Orrington, ME 04474 207-825-3507	X			

01/20/2015

APPENDIX "C3"
MASSACHUSETTS ZONE 3
RESPONSE CENTER LOCATIONS

		TELEPHONE (24hrs.)
COMPANY:	Osterman Propane Northbridge, MA	1-800-447-1207
RESPONDEE(S):	David Rudge	
EQUIPMENT AVAILABLE:	Compressor, Hose Transports, Fittings, etc.	
<hr/>		
COMPANY:	Eastern Propane Gas, Inc. Danvers, MA	1-800-523-5237
RESPONDEE(S):	Lyndon Rickards & Team Members	
EQUIPMENT AVAILABLE:	Response Trailer, Transport, Gas Detection (CGI), Bobtail, Boom Truck, Hose, Fittings, Small & Large Compressor	
<hr/>		
COMPANY:	George Propane, Inc. Goshen, MA	413-268-8360
RESPONDEE(S):	Mike George Scott Bisbee Mitchell Linscott	
EQUIPMENT AVAILABLE:	Bobtail	
<hr/>		
COMPANY:	H. A. George Fuel North Adams, MA	1-413-663-6652
RESPONDEE(S):	Kyle George	
EQUIPMENT AVAILABLE:	Emergency response van Hose, Fittings, etc. Service truck	
<hr/>		

COMPANY: **Holden Oil** 1-978-531-2984
Peabody, MA

RESPONDEE(S): Charles Holden
Mark Labbe

EQUIPMENT AVAILABLE: Evacuation compressor
Bobtail. Fittings
Service truck, Crane truck

COMPANY: **Jaysan Gas Service** 1-508-763-2729
E. Freetown, MA

RESPONDEE(S): Doug Plissey
Roger Deneault Jr.
Duane Lynch (Cuttyhunk/Gosnold Island Only)

EQUIPMENT AVAILABLE: Bobtail, Crane, Compressor
Hose, Transports, Fittings, etc.

COMPANY: **Lin's Propane Trucks** 1-800-252-5467
Dighton, MA

RESPONDEE(S): Andrew Johnson

EQUIPMENT AVAILABLE: Bobtail, Hose & Fittings
Gas Detection Equipment (CGI)

EMERGENCY SERVICE COMPANIES
(For Reference Only)

SERVICE COMPANIES	SERVICES AVAILABLE			
	WRECKER	CRANE	AIR CUSHION	24 Hr.
Bigwheel – Towing 42 Quanaoag Rd E. Freetown, MA 508-763-5927	X	X	X	X
Coady's Towing 145 Marson Lawrence, MA 978-685-4138	X	X	X	X
Direnzo Towing & Recovery 139 Worcester Providence Turnpike Millbury, MA 508-865-1802	X	X	X	X
Ferriera Towing Service 293 Littleton Road Chelmsford, MA 978-454-7914	X	X	X	X
Harold's Garage 19 Holyoke Street Northampton, MA 413-584-2360	X	X	X	X
Lynch's Towing 1200 Montello Street Brockton, MA 508-586-7577	X	X	X	X
Martineau's Garage, Inc. 27 Haverhill Street Methuen, MA 866-803-3933	X	X	X	X
Phil's Towing 65 North Central Street Peabody, MA 978-531-0456	X	X	X	X
Ted's of Fayville 5 Park Street Southborough, MA 508-485-0503	X	X	X	X

APPENDIX "C4"

NEW HAMPSHIRE ZONE 4

RESPONSE CENTER LOCATIONS

		TELEPHONE (24hrs.)
COMPANY:	AmeriGas Londonderry, NH, Laconia, NH, Portsmouth, NH, Claremont, NH, Keene, NH and Conway, NH	1-804-731-4612
RESPONDEE(S):	David Seppelt and Team Members	
EQUIPMENT AVAILABLE:	Response Trailer in Londonderry Krug Compressor, Burn Rack, Hose & Fittings, Boom Truck, Service Trucks with Emergency Kits, Bobtails, Hose Fittings and Evacuation Equipment	
<hr/>		
COMPANY:	Eastern Propane Gas Inc. Rochester, NH	1-800-523-5237
RESPONDEE(S):	Lyndon Rickards & Team Members	
EQUIPMENT AVAILABLE:	Bobtail, Response Trailer, Hose, Transport, Fittings, Gas Detection (CGI), Boom Truck, Flare Small & Large Compressor	
<hr/>		
COMPANY:	EnergyNorth Propane Concord, NH	1-603-225-6660 1-800-698-6636
RESPONDEE(S):	Gerard Frechteau	
EQUIPMENT AVAILABLE:	Boom truck, Gas Detection Equipment Compressor Trailer Bobtail, Hose & Fittings	

COMPANY:	Irving Energy	1-603-738-2100
RESPONDEE(S):	Corey Canning & Team Members	
EQUIPMENT AVAILABLE:	Response Trailer, Boom Truck Bobtail, Small Compressor, Fittings, Flare, Gas Detection Equipment	

COMPANY:	Palmer Gas Company Atkinson, NH	1-603-898-7986
RESPONDEE(S):	On Call Personnel Joe Trefethen Chris Gagnon	
EQUIPMENT AVAILABLE:	Bobtail, Boom Truck Small Compressor, Emergency Response Tool Box Response Truck, Flare	

COMPANY:	Sea-3, Inc. Newington, NH	1-603-431-5990
RESPONDEE(S):	Paul N. Bogan	
EQUIPMENT AVAILABLE:	Hose, Fittings Emergency response kit Gas Detection Equipment	

COMPANY:	White Mountain Oil & Propane North Conway, NH	1-603-356-6386 1-800-600-4728
RESPONDEE(S):	Kirk Saunders Dana Jones William Wrigley Mark Saunders Scott Parker	
EQUIPMENT AVAILABLE:	Bobtail, Boom Truck, Hose Small Compressor, Fittings, etc. 10 GPM Portable Pump	

EMERGENCY SERVICE COMPANIES
(For Reference Only)

SERVICE COMPANIES	SERVICES AVAILABLE			
	WRECKER	CRANE	AIR CUSHION	24 HR.
Bryant Wrecker Service 511 Eastman Road Center Conway, NH 603-356-5297	X			X
Dan's City Auto Body & Towing 272 Sheffield Road Manchester, NH 603-669-3040	X	X	X	X
Duval's 237 Mast Rd Manchester, NH 603-627-1403	X		X	X
National Wrecker Service 295 West Rd Portsmouth, NH 603-436-3200	X	X	X	X
Rochester Truck 8 Flagg Rd Rochester, NH 603-335-2084	X	X	X	X
Taillon Crane 10 Washington Street Gorham, NH 603-466-5078		X		X
Woody's Towing 47 Nashua Road Pelham, NH 603-635-3371	X	X	X	X

APPENDIX "C5"

RHODE ISLAND ZONE 5

RESPONSE CENTER LOCATIONS

		TELEPHONE (24hrs.)
COMPANY:	AmeriGas Peace Dale, RI	1-401-783-3357
RESPONDEE(S):	David Darrah	
EQUIPMENT AVAILABLE:	Bobtail	
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COMPANY:	Buckley Heating & Cooling Peace Dale, RI	1-401-789-9711
RESPONDEE(S):	Steve Burrows Matt Buckley	
EQUIPMENT AVAILABLE:	Bobtail, Compressor, Flare	
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COMPANY:	Suburban Propane North Kingston, RI	1-401-294-9547
RESPONDEES:	Alex Marchetti	
EQUIPMENT AVAILABLE:	Bobtail	
<hr/>		
COMPANY:	Lin's Propane Trucks Dighton, MA	1-800-252-5467
RESPONDEE(S):	Scott Swensen	
EQUIPMENT AVAILABLE:	Bobtail, Hose & Fittings Gas Detection Equipment (CGI)	

EMERGENCY SERVICE COMPANIES
(For Reference Only)

SERVICE COMPANIES	SERVICES AVAILABLE			
	WRECKER	CRANE	AIR CUSHION	24 HR.
Sterry Street 248 Allens Ave Davisville, RI 401-461-1100	X	X	X	X
B. T. Crane Service Lydia Ann Road Smithfield, RI 401-456-5850 / 401-232-1995		X		
Ronnie's of Warwick 1283 Jefferson Blvd Warwick, RI 401-732-1155	X			

APPENDIX "C6"

VERMONT ZONE 6

RESPONSE CENTER LOCATIONS

		TELEPHONE (24hrs.)
COMPANY:	Amerigas Propane Barre & Waitsfield, VT	1-802-476-6641 1-802-493-3630
RESPONDEE(S):	Jay Clark	
COMPANY:	Amerigas Propane Waterbury & Morrisville, VT	1-802-626-8595 1-802-888-3803
RESPONDEE(S):	Manny Fletcher	
COMPANY:	Amerigas Propane Sheldon & S. Burlington, VT	1-802-933-6112 1-802-863-5571
RESPONDEE(S):	Jim Lemire	
EQUIPMENT AVAILABLE:	Krug Compressor, Burn Rack Hose & Fittings, Emergency Kits Bobtail and Service Trucks	
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COMPANY:	Haskins Gas Service Inc. Dorset, VT	1-802-867-5741
RESPONDEE(S):	Peter Haskins	
EQUIPMENT AVAILABLE:	Bobtail, Compressor Service truck	
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COMPANY:	Irving Energy	1-603-738-2100
RESPONDEE(S):	Corey Canning & Team Members	
EQUIPMENT AVAILABLE:	Response Trailer, Boom Truck Bobtail, Small Compressor, Fittings, Flare, Gas Detection Equipment	

COMPANY:	Northern Gas Transport Route 122 Lyndonville, VT	1-802-626-8621 1-800-648-1075
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RESPONDEE(S):	Brad Grant
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EQUIPMENT AVAILABLE:	Response Trailer, Transport
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COMPANY:	Suburban Propane Essex Junction, VT	1-802-878-3710
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RESPONDEE(S):	Kim Lapierre
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EQUIPMENT AVAILABLE:	Bobtail, Valves, Crane Hose & Fittings, etc., Pumps Compressors, Response Trailer
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EMERGENCY SERVICE COMPANIES
(For Reference Only)

SERVICE COMPANIES	SERVICES AVAILABLE			
SERVICE COMPANY	WRECKER	CRANE	AIR CUSHION	24 Hr.
Harold's Garage 19 Holyoke St Northampton, MA 413-584-2360	X	X	X	X
Johnson's Wrecker Service 18 Johnson Dr Bradford, VT 802-439-5514	X			
Miller Construction 3103 US Route 5S Windsor, VT 1-802-674-5525	X	X		X
Sable & Son 34 Prospect St White River Junction, VT 802-295-2084	X	X		
R.R. Charlebois Inc 950 Rt 7 South Milton, VT 802-655-5040	X	X		X

APPENDIX "E"

ZONE (STATE) EMERGENCY TELEPHONE LISTING

ZONE 1: CONNECTICUT

State Police	1-860-685-8190
State Fire Marshal	1-860-713-5750
Dept. of Environmental Protection	1-860-424-3338
Oil and Chemical Spills	
Emergency Management	1-860-256-3180

ZONE 2: MAINE

State Police: Augusta	1-800-452-4664 or 207-624-7076
State Fire Marshal	1-800-452-4664 or 207-626-3820
Maine Emergency Management Agency	1-800-452-8735 or 207-624-4400
Department of Environmental Protection	1-800-452-1942 or 207-287-7688

ZONE 3: MASSACHUSETTS

State Police	1-508-820-2300
State Fire Marshal	1-978-567-3100
Department of Environmental Protection	1-617-292-5500
Emergency Management	1-508-820-2000

ZONE 4: NEW HAMPSHIRE

State Police	1-800-525-5555
State Fire Marshal	1-603-223-4289
NH Office of Emergency Management	1-800-852-3792
Homeland Security	1-603-271-2231

ZONE 5: RHODE ISLAND

State Police	1-401-444-1000
State Fire Marshal	1-401-383-7717
State Office of Emergency Management	1-401-946-9996

ZONE 6: VERMONT

Report Haz-Mat Incidents	1-800-641-5005
State Police	1-802-241-5000
State Fire Marshal:	1-802-479-7561
State Office of Emergency Preparedness & Homeland Security	1-800-347-0488 1-802-244-8721

* - Nights, Weekends and Holidays

APPENDIX "F"

EMERGENCY INCIDENT LOG

CALL TIMES: Initial Call _____ Time of Incident _____

Time at Scene _____

Chemtrec Called _____

Shipper to Scene _____

CALLER: NAME/ORGANIZATION/NUMBER _____

INCIDENT PROBLEM: Type Incident _____

Time _____

Details/Injuries _____

Incident Stage _____

PRODUCTS/EQUIPMENT INVOLVED: Equipment _____

Quantity _____

Plant _____

LOCATION: City/State _____

Directions _____

POTENTIAL LOSSES: Populated Area _____

Rural Area _____

Industrial Area _____

MODIFYING CONDITIONS: Weather _____

Temperature _____

Nearest Airport _____

CONTROL PERSONNEL ON SCENE:(or called)

Fire/Units _____ Police _____

Haz Mat Team(s) _____ Civil Defense _____

Rescue Units _____ Emergency Medical _____

OTHER _____

CONTROL EQUIPMENT: Wreckers, Crane, Straps, Air Bags, Etc. _____

SHIPPER: Carrier - Name & Type _____

Rail Car - Owner/Lease-holder, Number & Size _____

Consignee _____

Origin/Destination _____

B/L - Waybill Number _____

COMPANIES CALLED: Telephone Number _____

Person(s) Contacted _____

AGENCIES CALLED: CHEMTREC (1-800-424-9300) _____

NTSB (202-314-6120) _____

FRA (202-426-2748) _____

BOE (202-835-9500) _____

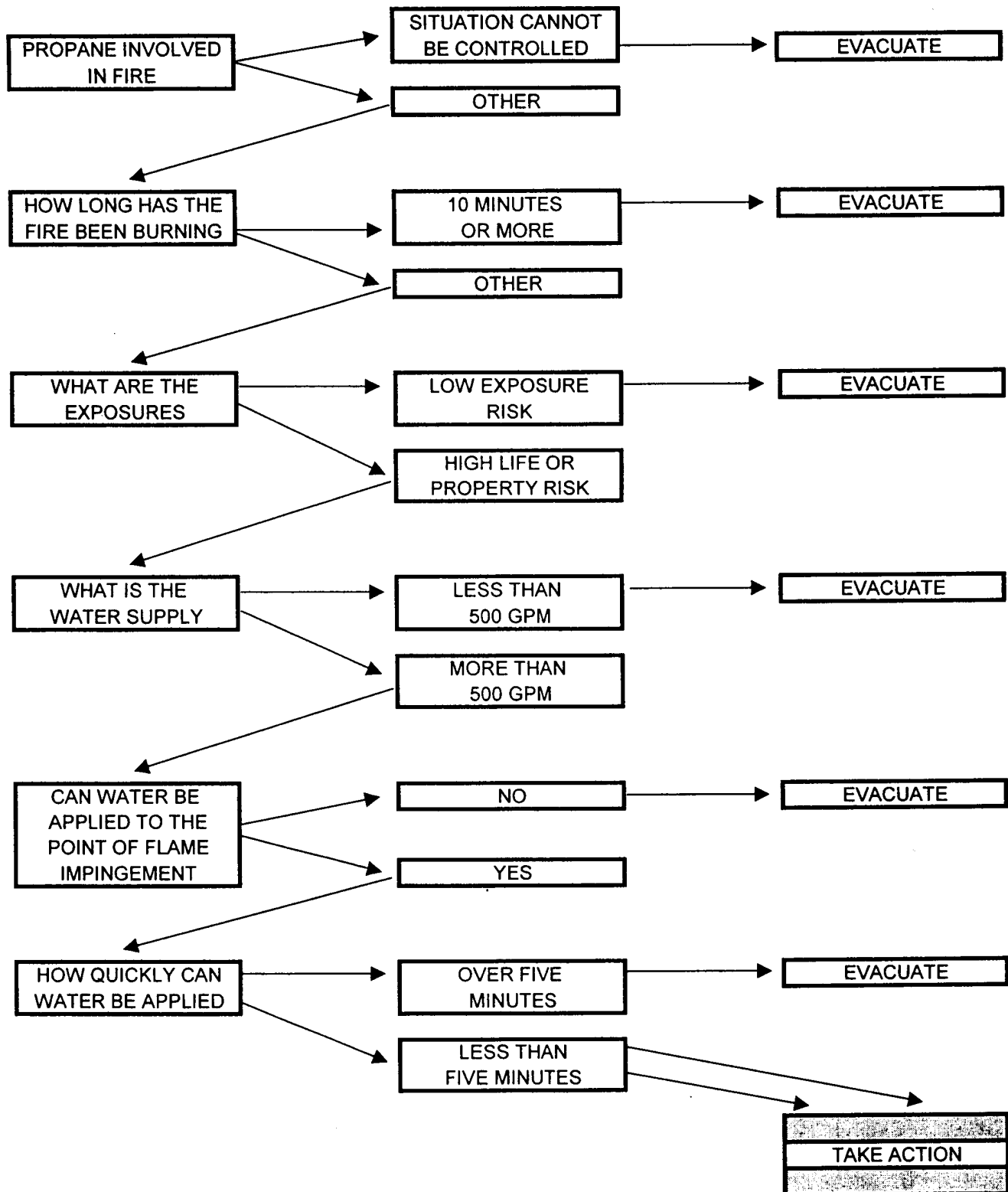
DOT/MTB (202-426-0656) _____

FHA (202-426-1700) _____

Other _____

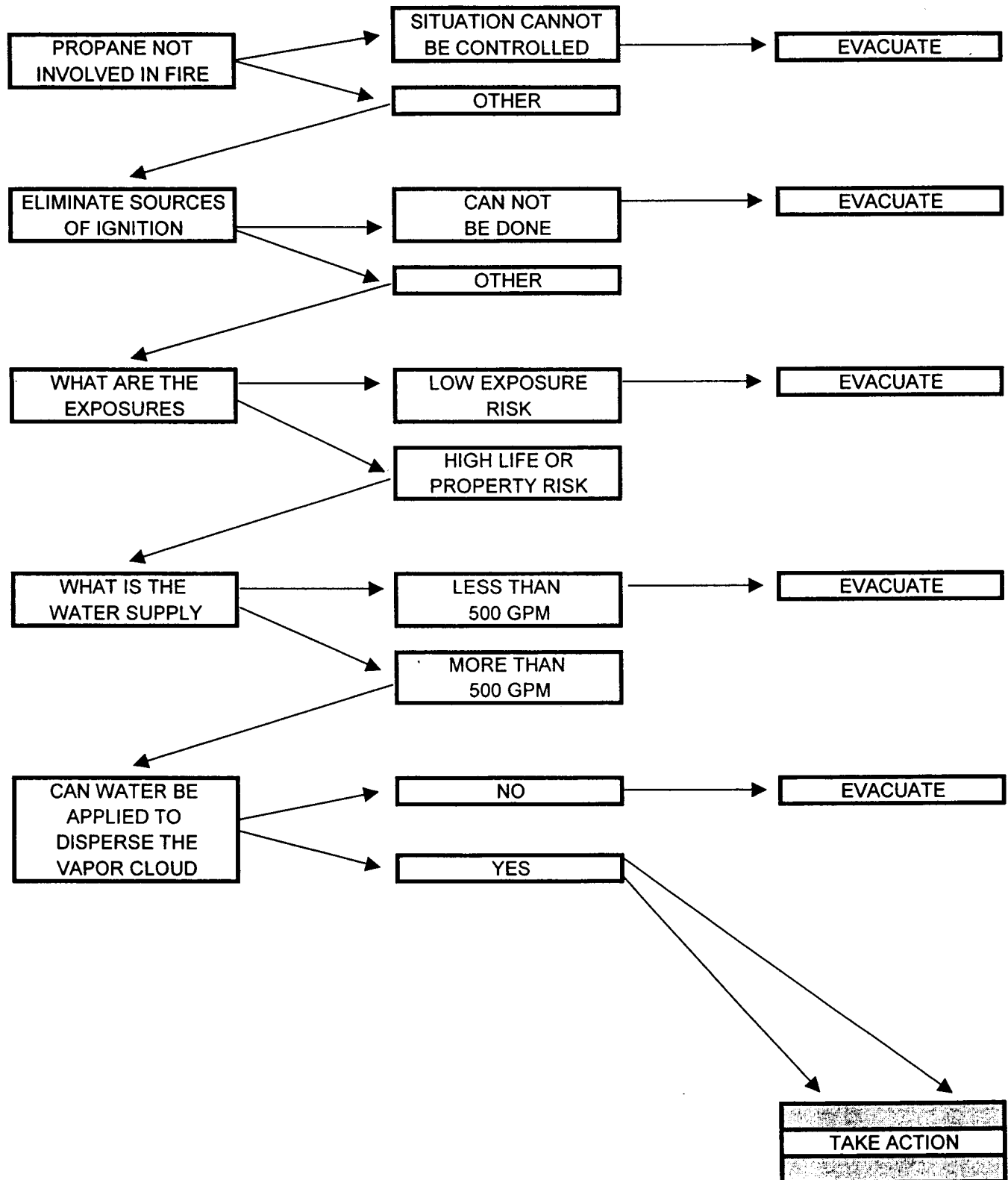
Fire Fighter Emergency Response Decision Tree

Propane Involved in Fire



Fire Fighter Emergency Response Decision Tree

Propane Vapor Leak & Control



CONTROL RESOURCES

Fire Services

Trained Industry Personnel

Law Enforcement

Carrier, Consignee

D.P.W., Highway Department

Heavy Equipment/Wrecker Company

Emergency Medical Unit

EMERGENCY RESPONDENTS

EMERGENCY EQUIPMENT

1. Combustible Gas Detector

Vapor Detection

2. Protective Personal Equipment
(Fire, Asphyxiant, chemical, etc.)

Personal Protection: Turn-out
Gear, OBA, Flash Light,
Gloves, etc.

3. Liquid/Vapor Control

Pre-connected Water Lines,
Hand Extinguishers, Shovels,
Emergency Fittings Kit, etc.

4. Emergency Service Vehicles

Medical, Police, Haz-Mat, etc.

5. Communications

Emergency Channel
Radios/Walkie-Talkies, Bull
Horn, Telephone, Binoculars,

6. Control Agents

Water Spray/Fog, Dry
Chemicals, etc.

INCIDENT LOG

1. Keep an accurate log of all events at the incident scene, reference "Emergency Incident Log" for details.

INCIDENT FACTORS - SIZE UP

PROBLEM - STAGE OF INCIDENT

1. Liquid or Vapor Leak
2. Ignition / No Ignition
3. Flame Impingement
4. Other

MODIFYING CONDITIONS

- | | |
|---------------------------|------------------------------|
| 1. Condition of Equipment | 2. Product Type and Quantity |
| 3. Accident Location | 4. Time Factor |
| 5. Weather Conditions | 6. Access |
| 7. Response Time | 8. Other |

POTENTIAL LOSS

- | | |
|----------|-------------|
| 1. Life | 2. Property |
| 3. Other | |

CONTROL OBJECTIVES

- | | |
|-----------------------|----------------------------|
| 1. Rescue | 2. Protection of Exposures |
| 3. Hazard Containment | 4. Fire Extinguishing |
| 5. Vapor Dispersal | 6. Additional Resources |
| 7. Other | |

INCIDENT STAGE - SPILL / NO IGNITION

EVIDENCE OF LEAK

- | | |
|--------------------------|----------------|
| 1. Visible Vapor Cloud | 2. Liquid Pool |
| 3. Sound of Escaping Gas | 4. Other |

CONTROL OBJECTIVES

- | | |
|-------------------------------|-------------------------|
| 1. Rescue | 2. Evacuation |
| 3. Eliminate Ignition Sources | 4. Vapor/Liquid Control |
| 5. Hazard Containment | 6. Ventilate Area |
| 7. Other | |

HAZARD CONTAINMENT - LIQUID:

1. Keep liquid away from sewers, storm drains, under ground utilities/systems and low lying areas.
2. Use water spray to dissipate liquid and divert the vapor if it can be done safely.
3. Use water spray to dissipate vapor cloud.
4. Place salvage covers over exposed openings.
5. Notify Emergency response Personnel and Utilities if liquid enters under ground systems.

HAZARD CONTAINMENT - VAPOR:

1. Use water spray to disperse and direct vapor away from buildings, vehicles and other ignition sources.

INCIDENT STAGE - SPILL / IGNITION

FLAME CONDITIONS

- | | |
|--------------------------|------------------------|
| 1. Flame Impingement | 2. Structures Involved |
| 2. Safety Valves Lifting | 4. Other Combustibles |
| 5. Surrounding Area | 6. Quantity Of Product |
| 7. Other | |

CONTROL OBJECTIVES

- | | |
|---------------------------------|----------------------|
| 1. Rescue | 2. Evacuation |
| 3. Eliminate Other Combustibles | 4. Fire/Heat Control |
| 5. Other hazard Containment | 6. Prevent BLEVE |
| 7. Other | |

HAZARD CONTAINMENT

- | | |
|-------------------------------|----------------------------------|
| 1. Stop Flow Of Liquid | 2. Water Spray For Cooling |
| 3. Dry Chemical To Extinguish | 4. Eliminate sources of Ignition |
| 5. Other | |

TERMINATION

ASSURE HAZARDS HAVE STABILIZED

1. Leak has been plugged, stopped, etc.
2. Area is gas free
3. Other

DISPOSITION OF CARGO

1. If equipment is intact and in a safe condition, it can be hauled away.
2. If necessary to off load product, equipment will be needed at the site.
3. If product must be disposed of on-site (safely), technical personnel will be provided and perform the operation. Liquid shall be directed to a safe location and all leak control precautions and procedures shall be in effect. Vapor spread shall be continuously monitored and security shall be maintained thru-out the operation.

REMOVAL OF DAMAGED EQUIPMENT

1. All Equipment, i.e. Tractors, semi-trailers, bobtails, tanks, etc. shall be safely removed using one or more of the following equipment:
 - a. Wrecker
 - b. Crane
 - c. Flat-bed trailer
 - d. Strap Harness
 - e. Air bags
 - f. Other

COMPREHENSIVE CRITIQUE

1. A comprehensive critique shall be conducted immediately following the incident.
2. A report shall be prepared and sent to the PGANE Office.

APPENDIX "G"
EMERGENCY RESPONSE COMMITTEE

Troy Phillips - Chair	Hall-Trask Equipment 105 Roc Same Park Rd Braintree, MA 02184	Phone: 781-380-8700 tphillips@hall-trask.com
Rick Gladding – Vice Chair	Tarantin Industries 20 Commercial Drive Brentwood, NH 03833	Phone: 800-895-8365 rickg@tarantin.com
Lyndon Rickards	Eastern Propane PO Box 1800 28 Industrial Way Rochester, NH 03866-1800	Phone: 603-332-2080 lricks@eastern.com
Mark Leach	P. Gagnon & Son 215 Main Street S. Berwick, ME 03908	Phone: 207-384-2213 mleach@pgagnon.com
Bob Beardsley	Downeast Energy 18 Spring Street Brunswick, ME 04011	Phone: 207-729-9921 brobert@downeastenergy.com
Paul Bogan	Sea-3 Inc. 190 Shattuck Way Newington, NH 03801	Phone: 603-431-5990 paul.bogan@sea-3.com
William Cummings	Hocon Gas 33 Rockland Road South Norwalk, CT 06854	Phone: 203-853-1500 wcummings@hocongas.com
Bob Dupuis	J.P. Noonan Transportation 415 West Street W. Bridgewater, MA 02379	Phone: 800-922-8026 aquamack17@aol.com
Mark Anderson	Dead River Company 82 Running Hill Rd, Suite 400 South Portland, ME 04106	Phone: 207-358-5800 mark.anderson@deadriver.com
John Pelletier	Dead River Company 293 Western Ave Hampden, ME 04444	Phone: 207-862-3460 john.pelletier@deadriver.com
Corey Canning	Irving Energy 190 Commerce Way Portsmouth, NH 03801	Phone: 603-491-6360 corey.canning@irvingoil.com

Bob Largesse	L.W. Tank Repair Inc. 410 North Main Street North Uxbridge, MA 01538	Phone: 800-564-6001 Fax: 508-234-3694 blargesse@lwtank.com
Scott Swensen	Lin's Propane Tanks 2281 Cedar Street Dighton, MA 02715	Phone: 508-669-6695 Fax: 508-669-6690 scott@linspropanetrucks.com
Kenneth Taylor	Taylor Management Services 41 Teddington Way Laconia, NH 03246	Phone: 603-387-0613 ktaylortms@gmail.com

MATERIAL SAFETY DATA SHEET
MSDS
FOR ODORIZED PROPANE

Health Administration Hazard Communication Standard published November 23, 1983 (Title 29 CFR Part 1910).

Chemical Manufacturers, Importers, and Distributors must have complied by November 25, 1985. All manufacturing employers covered by the Standard (SIC Codes 20-39) must have complied by May 25, 1986.

The Standard was amended August 24, 1987 (Vol. 52, *Federal Register*, page 31852) to extend its application beyond the manufacturing sector and to include all employers where chemicals are either used, distributed, or are produced for use or distribution, effective May 23, 1988.

Also for complying with the requirements of the Environmental Protection Agency Community Right to Know rules published October 15, 1987 (Vol. 52, *Federal Register*, page 38344) under Title III of the Superfund Amendments and Reauthorization Act of 1986 (Public Law 99-499).

INSTRUCTIONS TO SUPPLIER USING THE MSDS:

- Insert Supplier Name, Address, and Emergency Phone Number in
“1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION.”
- Insert issue date on last page of MSDS.
- Have copies reproduced for distribution.

MATERIAL SAFETY DATA SHEET FOR ODORIZED PROPANE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Odorized Commercial Propane

Chemical Name: Propane

Chemical Family: Paraffinic Hydrocarbon

Formula: C₃H₈

Synonyms: Dimethylmethane, LP-Gas, Liquefied Petroleum Gas (LPG), Propane, Propyl Hydride

Name & Address:	Transportation Emergency Number:	Emergency Number:
		For Routine Info, Call:

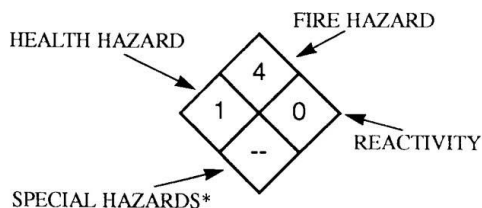
2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME /CAS NUMBER	PERCENTAGE	OSHA PEL	ACGIH TLV
Propane/74-98-6	87.5-100	1,000 ppm	Simple asphyxiant
Ethane/74-84-0	0-5.0		Simple asphyxiant
Propylene/115-07-1	0-10.0		Simple asphyxiant
Butanes/various	0-2.5		Simple asphyxiant
Ethyl Mercaptan/75-08-1	16-25 ppm	0.5 ppm	0.5 ppm

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER! Flammable liquefied gas under pressure. Keep away from heat, sparks, flame, and all other ignition sources. Vapor replaces oxygen available for breathing and may cause suffocation in confined spaces. Use only with adequate ventilation. Odor may not provide adequate warning of potentially hazardous concentrations. Vapor is heavier than air. Liquid can cause freeze burn similar to frostbite. Do not get liquid in eyes, on skin, or on clothing. Avoid breathing of vapor. Keep container valve closed when not in use.



Severe 4	Slight 1
Serious 3	Minimal 0
Moderate 2	* (Ref. NFPA 704)

POTENTIAL HEALTH EFFECTS INFORMATION

ROUTES OF EXPOSURE:

Inhalation: Asphyxiant. It should be noted that before suffocation could occur, the lower flammability limit of propane in air would be exceeded, possibly causing both an oxygen-deficient and explosive atmosphere. Exposure to concentrations >10% may cause dizziness. Exposure to atmospheres containing 8%-10% or less oxygen will bring about unconsciousness without warning, and so quickly that the individuals cannot help or protect themselves. Lack of sufficient oxygen may cause serious injury or death.

Eye Contact: Contact with liquid can cause freezing of tissue.

Skin Contact: Contact with liquid can cause frostbite.

[Skin Absorption]: None.

[Ingestion]: Liquid can cause freeze burn similar to frostbite. Ingestion not expected to occur in normal use.

CHRONIC EFFECTS: None.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: None.

OTHER EFFECTS OF OVEREXPOSURE: None.

CARCINOGENICITY: Propane is not listed by NTP, OSHA or IARC.

4. FIRST AID MEASURES

INHALATION: Persons suffering from lack of oxygen should be removed to fresh air. If victim is not breathing, administer artificial respiration. If breathing is difficult, administer oxygen. Obtain prompt medical attention.

EYE CONTACT: Contact with liquid can cause freezing of tissue. Gently flush eyes with lukewarm water. Obtain medical attention immediately.

SKIN CONTACT: Contact with liquid can cause frostbite. Remove saturated clothes, shoes and jewelry. Immerse affected area in lukewarm water not exceeding 105° F. Keep immersed. Get prompt medical attention.

INGESTION: If swallowed, get immediate medical attention.

NOTES TO PHYSICIAN: None.

5. FIRE-FIGHTING MEASURES

FLASH POINT: -156° F (-104° C)

AUTOIGNITION: 842° F (432° C)

IGNITION TEMPERATURE IN AIR: 920-1120° F

FLAMMABLE LIMITS IN AIR BY VOLUME: Lower: 2.15% Upper: 9.6%

EXTINGUISHING MEDIA: Dry chemical, CO₂, water spray or fog for surrounding area. Do not extinguish fire until propane source is shut off.

SPECIAL FIRE-FIGHTING INSTRUCTIONS: Evacuate personnel from danger area. Immediately cool container with water spray from maximum distance, taking care not to extinguish flames. If flames are accidentally extinguished, explosive re-ignition may occur. Where water is abundant and immediate, the fire should be allowed to burn while the container and area are cooled and the flow of propane is shut off. Where water is scarce, compare the risk of allowing the area to continue to heat from the fire and the alternative of extinguishing the fire without shutting off the propane flow, which may allow for the propane to accumulate and re-ignite explosively.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Propane is easily ignited. It is heavier than air; therefore, it can collect in low areas where an ignition source can be present. Pressure in a container can build up due to heat and container may rupture if pressure relief devices should fail to function. Propane released from a properly functioning relief valve on an overheated container can also become ignited.

HAZARDOUS COMBUSTION PRODUCTS: None.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Evacuate the immediate area. Eliminate any possible sources of ignition and provide maximum ventilation. Shut off source of propane, if possible. If leaking from container, or valve, contact your supplier.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Propane vapor is heavier than air and can collect in low areas that are without sufficient ventilation. Leak-check system with a leak detector or solution, never with flame. Make certain the container service valve is shut off prior to connecting or disconnecting. If container valve does not operate properly, discontinue use and contact supplier. Never insert an object (e.g. wrench, screwdriver, pry bar, etc.) into pressure relief valve or cylinder valve cap openings. Do not drop or abuse cylinders. Never strike an arc on a gas container or make a container part of an electrical circuit. See "16. OTHER INFORMATION" for additional precautions.

STORAGE PRECAUTIONS: Store in a safe, authorized location (outside, detached storage is preferred) with adequate ventilation. Specific requirements are listed in NFPA 58, *Standard for the Storage and Handling of Liquefied Petroleum Gases*. Isolate from heat and ignition sources. Containers should never be allowed to reach temperature exceeding 125° F (52° C). Isolate from combustible materials. Provide separate storage locations for other compressed and flammable gases. Propane containers should be separated from oxygen cylinders, or other oxidizers, by a minimum distance of 20 feet, or by a barrier of non-combustible material at least 5 feet high having a fire rating of at least 1/2 hour. Full and empty cylinders should be segregated. Store cylinders in upright position, or with pressure relief valve in vapor space. Do not drop or abuse cylinders. Keep container valve closed and plugged or capped when not in use. Install protective caps when cylinders are not connected for use. Empty containers retain some residue and should be treated as if they were full.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Ventilation: Provide ventilation adequate to ensure propane does not reach a flammable mixture.

RESPIRATORY PROTECTION (SPECIFY TYPE)

General Use: None.

Emergency Use: If concentrations are high enough to warrant supplied-air or self-contained breathing apparatus, then the atmosphere may be flammable (See Section 5). Appropriate precautions must be taken regarding flammability.

PROTECTIVE CLOTHING: Avoid skin contact with liquid propane because of possibility of freeze burn. Wear gloves and protective clothing which are impervious to the product for the duration of the anticipated exposure.

EYE PROTECTION: Safety glasses are recommended when handling cylinders.

OTHER PROTECTIVE EQUIPMENT: Safety shoes are recommended when handling cylinders.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: @ 14.7 psia = -44° F

SPECIFIC GRAVITY OF VAPOR (Air = 1) at 60° F: 1.50

SPECIFIC GRAVITY OF LIQUID (Water = 1) at 60° F: 0.504

VAPOR PRESSURE: @ 70° F = 127 psig

@ 105° F = 210 psig

EXPANSION RATIO (From liquid to gas @ 14.7 psia): 1 to 270

SOLUBILITY IN WATER: Slight, 0.1 to 1.0%

APPEARANCE AND ODOR: A colorless and tasteless gas at normal temperature and pressure.

An odorant (ethyl mercaptan) has been added to provide a strong unpleasant odor. Should a propane-air mixture reach the lower limits of flammability, the ethyl mercaptan concentration will be approximately 0.5 ppm in air.

ODORANT WARNING: Odorant is added to aid in the detection of leaks. One common odorant is ethyl mercaptan, CAS No. 75-08-01. Odorant has a foul smell. The ability of people to detect odors varies widely. Also, certain chemical reactions with material in the propane system, or fugitive propane gas from underground leaks passing through certain soils, can reduce the odor level. No odorant will be 100% effective in all circumstances. If odorant appears to be weak, notify propane supplier immediately.

10. STABILITY AND REACTIVITY

STABILITY: Stable.

Conditions to Avoid: Keep away from high heat, strong oxidizing agents and sources of ignition.

REACTIVITY:

Hazardous Decomposition Products: Under fire conditions, fumes, smoke, carbon monoxide, aldehydes and other decomposition products. When used as an engine fuel, incomplete combustion can cause carbon monoxide, a toxic gas.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Propane is non-toxic and is a simple asphyxiant, however, it does have slight anesthetic properties and higher concentrations may cause dizziness.

[IRRITANCY OF MATERIAL]: None.

[SENSITIZATION TO MATERIAL]: None

[REPRODUCTIVE EFFECTS]: None

[TERATOGENICITY]: None

[MUTAGENICITY]: None

[SYNERGISTIC MATERIALS]: None

12. ECOLOGICAL INFORMATION

No adverse ecological effects are expected. Propane does not contain any Class I or Class II ozone-depleting chemicals (40 CFR Part 82). Propane is not listed as a marine pollutant by DOT (49 CFR Part 171).

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not attempt to dispose of residual or unused product in the container. Return to supplier for safe disposal.

Residual product within process system may be burned at a controlled rate, if a suitable burning unit (flare stack) is available on site. This shall be done in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME: Liquefied Petroleum Gas

HAZARD CLASS: 2.1 (Flammable Gas)

IDENTIFICATION NUMBER: UN 1075

PRODUCT RQ: None **SHIPPING LABEL(S):** Flammable gas

IMO SHIPPING NAME: Propane

PLACARD (WHEN REQUIRED): Flammable gas

IMO IDENTIFICATION NUMBER: UN 1978

SPECIAL SHIPPING INFORMATION: Container should be transported in a secure, upright position in a well-ventilated vehicle.

15. REGULATORY INFORMATION

The following information concerns selected regulatory requirements potentially applicable to this product. Not all such requirements are identified. Users of this product are responsible for their own regulatory compliance on a federal, state [provincial] and local level.

U.S. FEDERAL REGULATIONS

EPA Environmental Protection Agency

CERCLA Comprehensive Environmental Response, Compensation and Liability Act of 1980
(40 CFR Parts 117 and 302)

Reportable Quantity (RQ): None

SARA Superfund Amendment and Reauthorization Act

- SECTION 302/304: Requires emergency planning on threshold planning quantities (TPQ) and release reporting based on reportable quantities (RQ) of EPA's extremely hazardous substances (40 CFR Part 355).

Extremely Hazardous Substances: None

Threshold Planning Quantity (TPQ): None

- SECTIONS 311/312: Require submission of material safety data sheets (MSDSs) and chemical inventory reporting with identification of EPA-defined hazard classes (40 CFR Part 370). The hazard classes for this product are:

IMMEDIATE: No

PRESSURE: Yes

DELAYED: No

REACTIVITY: No

FLAMMABLE: Yes

- SECTION 313: Requires submission of annual reports of release of toxic chemicals that appear in 40 CFR Part 372.

Propane does not require reporting under Section 313.

40 CFR PART 68 Risk Management for Chemical Accidental Release

TSCA Toxic Substance Control Act

Propane is listed on the TSCA inventory.

OSHA Occupational Safety and Health Administration

29 CFR 1910.119: Process Safety Management of Highly Hazardous Chemicals.

FDA Food and Drug Administration

21 CFR 184.1655: Generally recognized as safe (GRAS) as a direct human food ingredient when used as a propellant, aerating agent and gas.

16. OTHER INFORMATION

SPECIAL PRECAUTIONS: Use piping and equipment adequately designed to withstand pressure to be encountered.

NFPA 58 *Standard for the Storage and Handling of Liquefied Petroleum Gases* and OSHA 29 CFR 1910.10 require that all persons employed in handling LP-gases be trained in proper handling and operating procedures, which the employer shall document. Contact your propane supplier to arrange for the required training. Allow only trained and qualified persons to install and service propane containers and systems.

WARNING: Be aware that with odorized propane the intensity of ethyl mercaptan stench (its odor) may fade due to chemical oxidation (in the presence of rust, air or moisture), adsorption or absorption. Some people have nasal perception problems and may not be able to smell the ethyl mercaptan stench. Leaking propane from underground gas lines may lose its odor as it passes through certain soils. While ethyl mercaptan may not impart the warning of the presence of propane in every instance, it is generally effective in a majority of situations. Familiarize yourself, your employees and customers with this warning, and other facts associated with the so-called "odor-fade" phenomenon. If you do not already know all the facts, contact your propane supplier for more information about odor, electronic gas alarms and other safety considerations associated with the handling, storage and use of propane.

ISSUE INFORMATION

Issue Date: _____

This material safety data sheet and the information it contains is offered to you in good faith as accurate. This Supplier does not manufacture this product but is a supplier of the product independently manufactured by others. Much of the information contained in this data sheet was received from sources outside our Company. To the best of our knowledge this information is accurate, but this Supplier does not guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely, comply with all applicable laws and regulations and to assume the risks involved in the use of this product.

NO WARRANTY OR MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSES, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE.

Prepared by

NATIONAL PROPANE GAS ASSOCIATION

1600 Eisenhower Lane, Suite 100, Lisle, Illinois 60532

Phone 630/515-0600

Printed in U.S.A.

The purpose of this bulletin is to set forth general safety practices for the installation, operation, and maintenance of LP-gas equipment. It is not intended to be an exhaustive treatment of the subject, and should not be interpreted as precluding other procedures which would enhance safe LP-gas operations. Issuance of this bulletin is not intended to nor should it be construed as an undertaking to perform services on behalf of any party either for their protection or for the protection of third parties. The National Propane Gas Association assumes no liability for reliance on the contents of this bulletin.

Issued 12/96

NOTES

Emergency Response Plan / Guide

Revision Record

Revision #	Date	Page
5	2/7/97	18
5	2/7/97	2
6	4/29/98	Numerous changes to Response Center Locations
7	6/5/99	Total Revision
8	10/22/99	7-8-9-10-13-14-16-23-24-36
9	03/24/2000	6 thru 45 page number or text changes
10	05/01/2000	Numerous changes to Response Center Locations
11	06/01/2000	14, 36
12	07/01/2000	Date Pages, Page 23 Revision
13	11/01/2000	Emergency Response Committee changes
14	01/10/2001	26, Connecticut Emergency Phone numbers
15	09/19/2001	36, Emergency Response Committee changes
16	11/28/2001	Cover, Chemtrec Address
17	01/25/2002	Emergency Response Committee changes
18	03/29/2002	Numerous changes
19	09/04/2002	Emergency Response Committee Changes
20	11/20/2002	Numerous changes
21	03/03/2003	Numerous changes
22	03/16/2003	Mailing list changes
23	08/27/2004	Address/name changes
24	06/10/2005	Emergency Response Committee Changes
25	11/21/2005	Numerous changes
26	10/24/2006	Renumbering pages, committee changes
27	02/15/2007	Address/name change
28	10/05/2007	Email change
29	8/15/2008	Numerous changes
30	09/09/2009	Numerous changes
31	04/20/ 2010	PGANE committee roster, Response Center Locations
32	08/11/2011	PGANE committee roster
33	09/14/2011	Emergency Responder page 7 & Service page 16
34	02/21/2012	Preface, TOC, 1,2,7,9,10,12,13,15,16,18-26,36,37
35	01/21/2015	7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 34 & 35
36	05/11/2015	16
37	06/23/2015	Cover page, committee changes
38	11/19/2015	Table of contents
39	03/22/2016	15, 16 & 21